Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	03/10/2017 01:35 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/30/2017 11:23 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123941	-1	1.49	123811	1.46
Blue	F	SSC	125000	123952	-1	2.90	124199	2.60
Blue	E	FITC	21625	21156	-3	2.39	940	10.01
Blue	D	PE	26832	26564	-1	1.97	951	9.47
Blue	B	PerCP-Cy5-5	48027	47400	-2	3.37	1355	16.34
Blue	A	PE-Cy7	40971	40482	-2	4.91	622	34.50
Red	C	APC	49746	49125	-2	2.76	2832	9.36
Red	A	APC-Cy7	53615	52665	-2	2.80	1093	10.84
Violet	B	V450	14488	13969	-4	5.01	670	9.13
Violet	A	V500	55123	53527	-3	4.83	2371	7.15

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19167	4.16	603	5	N/A	N/A	Pass
Blue	F	SSC	61564	1.51	534	0	N/A	N/A	Pass
Blue	E	FITC	107	38.44	534	-2	0.0221	203	Pass
Blue	D	PE	210	27.97	530	-1	0.1731	241	Pass
Blue	B	PerCP-Cy5-5	212	44.20	626	-3	0.0111	133	Pass
Blue	A	PE-Cy7	70	111.89	676	-5	0.0126	11	Pass
Red	C	APC	331	27.61	589	-5	0.0209	88	Pass
Red	A	APC-Cy7	120	39.54	573	-7	0.0061	1804	Pass
Violet	B	V450	81	41.93	470	-1	0.0565	2411	Pass
Violet	A	V500	172	22.70	495	-1	0.0140	271	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.56	-31.06	0.83
Blue	20.34	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.32
Red	16.58	13.27 - 19.91	N/A	N/A	31.25	31.76	1.14

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 15127

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments